



EAST LOCUST CREEK WATERSHED PROJECT

Sullivan County, Missouri

Proposed Project

The original East Locust Creek Watershed Project was signed in 1987. Since then 72 small, floodwater-retarding structures were installed within the watershed. That original project will be replaced with a revised watershed plan that the USDA Natural Resources Conservation Service (NRCS) helped prepare on behalf of the project sponsors.

The sponsors revised the project primarily to add a multiple-purpose reservoir that will provide 7 million gallons of water per day for public consumption. The reservoir would provide water for 54,000 residents in 10 north-central Missouri counties: Adair, Chariton, Grundy, Linn, Livingston, Macon, Mercer, Putnam, Schuyler, and Sullivan. The revised plan calls for completing the flood prevention measures included in the original project, developing water-based recreational facilities, and enhancing fish and wildlife habitats.

Needs and Benefits

Current water supply systems are stressed because of the uncertainty of a continuous supply, outdated systems, drought, and increasing demand. The North Central Missouri Regional Water Commission (NCMRWC), which the new plan adds as a new sponsor, will manage the reservoir and sell and distribute the water to rural residents.

Additional flood control is still needed in the watershed. The multiple-purpose reservoir and 22 small, floodwater-retarding structures will reduce flood damages to cropland, pasture, roads, and bridges by an additional 22 percent.

The area also needs additional water-based recreational opportunities. The multiple-purpose reservoir and related facilities such as boat ramps, shelter houses, picnic areas, walking and biking trails, swimming beaches, restrooms, and parking lots would provide an estimated 72,000 annual user days for recreation. Mitigation measures incorporated into the plan to offset the effects of construction also will enhance fish and wildlife habitat in the area.

Project Sponsors and Contacts

Locust Creek Watershed District
North Central Missouri Regional Water Commission
Sullivan County Soil and Water Conservation District
Putnam County Soil and Water Conservation District
Sullivan County Commission
Putnam County Commission

For additional information concerning this project, contact Stuart Lawson, NRCS district conservationist in Sullivan County at (660)265-3440, Ext. 3, or Bruce Hensley, NCMRWC Project Manager at (660) 265-1719.

Multiple-Purpose Reservoir Specifications

Location:

4.5 miles north of Milan on the mainstem of East Locust Creek

Drainage Area:

32.8 sq. miles (21,000 acres)

Dam Length: 2,800 feet

Dam Height: 79 feet

Rural Water Supply Storage:

45,000 acre-feet

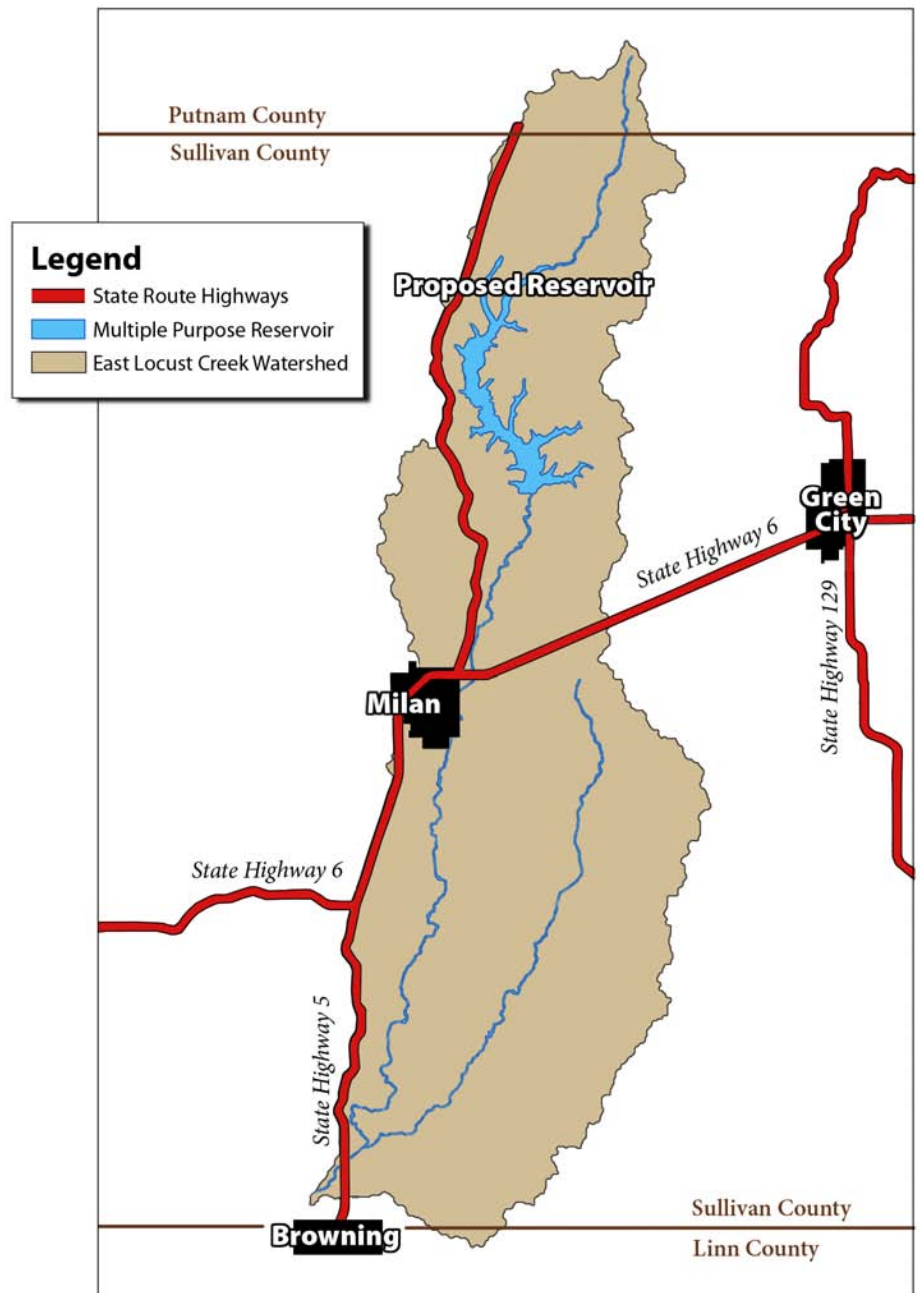
Floodwater Storage: 8,800 acre-feet

Total Storage: 58,800 acre-feet

Permanent Pool Area: 2,235 acres

Flood Pool Area: 2,512 acres

Top of Dam Pool Area: 3,416 acres



Estimated Project Costs

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| Construction of Multiple-Purpose Reservoir | \$25,140,900 |
| Construction of 22 Small FWR Structures | \$1,434,200 |
| Real Property (Acquisition, Easements, Infrastructure) | \$16,650,500 |
| Engineering Services | \$6,428,900 |
| Project Administration | \$2,816,000 |
| Total Estimated Project Costs | \$52,470,500 |



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